

Mobile Solar Trailer

Incredible 9 month run time! • 36X zoom camera

REMOTE VIDEO SURVEILLANCE

- Easily deployed into the field
- Incredible 9 month run time!
- Monitor power system online
- View and control PTZ cameras
- 36X zoom camera

Using an advanced hybrid power system, the Solarvision Mobile Surveillance Trailer achieves an incredible 9 month run time. The system will minimize losses due to theft or vandalism or it can aid law enforcement and security personnel as a tool to curb unruly behaviour at events or demonstrations. The system is designed for construction site surveillance, law enforcement, safety training, investigations, police, private security and parking lot security. The Auto Tracking Pan Tilt Zoom cameras can be viewed and controlled remotely over the Internet. Up to a powerful 36X optical zoom camera will get in for close identification.

Our security solution is completely wireless, mobile and best of all: affordable. Utilizing the latest in video compression, wireless and cellular networks, and mobile technology, our solution offers you the ability to monitor any site from ANYWHERE!



Trailer features

Main Features

- Galvanized steel mast
- 31 ft Mast
- Up to 9 months independent power supply
- 440 watt solar array/battery power
- 3600 watt generator with 10 gallon fuel cell
- Auto start generator when low voltage
- Adjustable solar array
- 360° mast rotation
- Trailer mounted
- Electric mast (optional)
- Customized power supply
- Extendable outriggers
- Optional paint colors for trailers (military desert tan or olive green)

Solar Charging System

- 4 - 110w solar panel array
- Solid state charge controller
- Low voltage disconnect
- Tilt & rotatable solar panels

Anti-Theft Measures

- Online GPS tracking for easy locating
- Wheel clamp/boot immobilizes trailer
- Dual locking compartment doors
- Flashing strobe beacon



Video Server Specs

Video

Standard	NTSC / PAL
Video Input	2 x BNC
Compression	MPEG4, H264
Frame rate	30FPS
Storage	250GB Hard Drive

Network

Interface	10/100 Base-T 802.11b/g
Protocol	HTTP, TCP, UDP SMTP, FTP, DCHP

Communications

Standard

Cellular	CDMA EVDO, GSM/HSDPA
GPS	12 Channel receiver
Wireless Lan	802.11b/g/n - 900MHz

Optional

Non Line of Sight	900MHz point to multipoint radio
Line of Sight	5.8GHz point to multipoint radio
On-Board	Analytic
Satellite Uplink	Communication in remote areas

Trailer

Specifications

Length	14'
Width	7'
Tongue	A-Frame
Frame	Heavy gauge steel tubing and structural channel
Battery enclosure	Low density thermoplastic with lockable lid(s)
Fenders	Low density thermoplastic with splash shields
Safety chains	24" x 1/4" proof coil plated chain with hooks
Outriggers	(4) Extend 30" each from trailer frame
Levelling jacks	(5) H.D. screw type jacks
Trailer hitch	2" ball or pintle ring
Axle	3,500 lb capacity
Springs	3 leaf, double eye
Tires	15" automotive Type
Track width	71"
Weight	1,500 lbs. to 1,900 lbs (depending on specifications)

Paint

Pedestal

Pedestal	H.D. 6" diameter receiver tube
Tilt	90° tilt and lock via 1,500 lb manual winch
Rotation	360° manual rotation

Mast

Height	31' standard (extensions up to 40' available)
Material	H.D. Galvanized steel tubing
Segments	(3) at 10' each
Raise/Lower	1,500 lb manual winch (electric winch optional)

Generator Power System

- 3600 watt generator with 10 gallon fuel cell
- Auto start / stop with voltage monitoring
- Low oil / over temp automatic shutdown
- Programmable "quiet-time" for day operation only

Power Supply/Battery

Batteries	12 6V GC-2 deep cycle
AC Charge	75 Amp charger

Camera

- Full Pan Tilt Zoom weatherproof cameras
- 26x or 36x optical zoom
- View and control remotely via internet
- Auto object track and follow
- Day/Night performance



400°/s rotation • 360° monitoring • 190° in one motion
* Custom camera configuration available including FLIR thermal imaging